

BONE SCREW SYSTEMABSTRACT

A bone screw system (100) is provided that includes a cannulated bone screw (110) and an adapter (140) designed to be releasably coupled to the screw (110). The screw (110) has a head (112) with an opening (126) formed therein. A shank portion (114) of screw (110) extends from the head (112) and has a closed end bore (124) formed therein in open communication with the opening (126). The screw (110) has a threaded portion (116) in which a plurality of apertures (122) are formed in a root portion (120) of the thread. The adapter (140) has a distal end (150) adapted for releasable coupling with the head (112) and has a passage (162) extending longitudinally therethrough for open communication with the bore (124) of the screw (110). The adapter (140) further includes a grip portion (154) formed by a plurality of spaced annular ridges (156). The proximal end of adapter (140) has a fitting (142) formed thereon for coupling to a device for dispensing a purchase enhancing composition, through the adapter (140) and bore (124) to the apertures (122).